

In The Claims:

Please amend the claims as follows:

Claims 1-8 (canceled)

Claim 9. (new) Method for the prognosis and/or diagnosis of diseases associated with at least one of the polymorphisms 8, 12, 13 in the NOD2/CARD15 gene by detection of at least one of the polymorphisms Nod2-SNP8, Nod2-SNP12, Nod2-SNP13 in the NOD2/CARD15 gene, wherein the diseases associated with at least one of the polymorphisms 8, 12, 13 in the NOD2/CARD15 gene are rejection responses occurring after transplantations, graft versus host diseases, host versus graft diseases, sepsis, lung diseases, lymphoma and/or leukemia.

Claim 10. (new) Method according to claim 9 comprising the following steps:

- a) providing a sample containing the NOD2/CARD15 gene or respectively NOD2/CARD15 nucleic acids,
- b) examination of the NOD2/CARD15 gene for the presence of at least one of the polymorphisms Nod2-SNP8, Nod2-SNP12, Nod2-SNP13.

Claim 11. (new) Method according to claim 9 comprising the following steps:

- a) providing a sample containing the gene NOD2/CARD15,
- b) DNA and/ or RNA isolation from the sample,
- c) performing a PCR with specific primers for the NOD2/CARD15 gene,
- b) examination of the NOD2/CARD15 gene for the presence of at least one of the polymorphisms Nod2-SNP8, Nod2-SNP12, Nod2-SNP13.

Claims 12. (new) Method for the prognosis regarding the likelihood of an incidence of a rejection response after transplantations according to claim 9 comprising the following steps:

- a) providing a sample of the donor containing the NOD2/CARD15 gene as well as a sample of the recipient containing the NOD2/CARD15 gene,
- b) detection of the two samples for the presence of one or more of the polymorphisms Nod2-SNP8, Nod2-SNP12, Nod2-SNP13.

Claims 13. (new) Method according to one of the claim 9, wherein at least one oligonucleotide consisting of at least 10 nucleotides is used, wherein the oligonucleotide has a sequence which is complementary to the NOD2/CARD15 gene and contains the complementary nucleotide to the mutation SNP8 and/or SNP 12 and/or the nucleotide insertion SNP13.

Claim 14. (new) Method according to claim 13, wherein the oligonucleotide furthermore contains a detection tag.

Claims 15. (new) Method according to one of the claim 9, wherein at least one microchip or chip for diagnosis is used within said method, wherein the microchip or chip for diagnosis contains at least one oligonucleotide consisting of at least 10 nucleotides, wherein the oligonucleotide has a sequence which is complementary to the NOD2/CARD15 gene and contains the complementary nucleotide to the mutation SNP8 and/or SNP 12 and/or the nucleotide insertion SNP13.

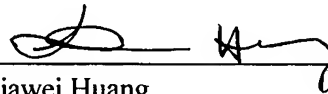
Claim 16. (new) Method according to claim 15, wherein the oligonucleotide furthermore contains a detection tag.

No new matter has been added to the application by the amendments made to the claims.

Respectfully submitted,

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